

# TABELA DE APLICAÇÃO DE VARIADORES



Modelo	Variador de avanço	Cabo
Bora 2.0	WS511	
Cross Fox 1.6 Total Flex (Motor EA 111 Power)	WS511	
Fox 1.0 Gasolina (Motor EA 111 Power)	WS511	
Fox 1.0 Total Flex (Motor EA 111 Power)	WS511	
Fox 1.6 Gasolina (Motor EA 111 Power)	WS511	
Fox 1.6 Total Flex (Motor EA 111 Power)	WS511	
Gol 1.0 (Bobina com tomada de 3 vias,álcool)	WS50	
GOL 1.0 3 e 4 cilindros 1.6 2015 TODOS>>>>	WS511	
Gol 1.0 (Bobina com tomada de 3 vias,gasolina)	WS50	
Gol 1.0/1.6/1.8 Monoponto	WS50	
Gol 1.6(Bobina com tomada de 2 vias,álcool)	WS50	
Gol 1.6(Bobina com tomada de 2 vias,gasolina)	WS50	
Gol 1.6(Bobina com tomada de 4 vias,álcool)	WS511	
Gol 1.6(Bobina com tomada de 4 vias,gasolina)	WS511	
Gol 1.8(Bobina com tomada de 2 vias,álcool)	WS50	
Gol 1.8(Bobina com tomada de 2 vias,gasolina)	WS50	
Gol 1.8(Bobina com tomada de 4 vias,álcool)	WS511	
Gol 1.8(Bobina com tomada de 4 vias,gasolina)	WS511	
Gol City 1.0 Total Flex (Motor EA 111 Power)	WS511	
Gol City 1.6 Total Flex (Motor AP)	WS511	
Gol Plus 1.0 16V (Bobina 3 vias do Polo)	WS50	
Gol Plus 1.0 16V (Bobina 4 vias)	WS511	
Gol Power 1.6 Total Flex (Motor AP)	WS511	
Gol Power 1.8 Total Flex (Motor AP)	WS511	
Gol Special 1.0 3ª geração (Bobina 4 vias)	WS511	
Gol Special 1.0 Bolinha (Bobina 3 vias)	WS50	
Golf 2.0 Modelo novo	WS511	
Golf 1.6 Modelo novo	WS511	
Golf 1.8 Monoponto	WS50	
Golf 1.8 Multiponto 97/98	WS50	
Golf GTI 1.8 Turbo Modelo novo	WS510 (NORMAL)	C/F
Jetta 2.0 Motor EA 113	WS510 (NORMAL)	C
Kombi 1.4 Total Flex 2009	WS511 (NORMAL)	
Kombi 1.4 Total Flex 2010 em diante	WS511 - 08	
Kombi 1.6 Carburador Ignição Eletrônica	WS50 (526-N)	
Kombi 1.6 Injeção	WS50	
Parati 1.6 (Motor AP) Álcool ou Gasolina	WS50 (526-N)	

Parati 1.6 Total Flex (Motor AP)	WS511 (NORMAL)	
Parati 1.6/1.8 Monoponto	WS50 (526-N)	
Parati 1.8 (Motor AP) Álcool ou Gasolina	WS50 (526-N)	
Parati 1.8 Total Flex (Motor AP)	WS511 (NORMAL)	
Parati 2.0 (Motor AP) Álcool ou Gasolina	WS50 (526-N)	
Passat/Variant Importado 2.0 (até 97)	WS510 (NORMAL)	F
Passat/Variant Turbo 1.8 (98 em diante)	WS510 (NORMAL)	F
Passat/Variant V6 (98 em diante)	WS510 (NORMAL)	F
Pointer / Logus 1.8 / 2.0 Monoponto	WS50 (526-N)	
Polo 1.6 Total Flex (Motor EA 111 Power)	WS511 (NORMAL)	
Polo Sedan 1.6 Total Flex (Motor EA 111 Power)	WS511 (NORMAL)	
Polo Sedan 2.0 Gasolina	WS511 (NORMAL)	
Santana/ Quantum 1.8 / 2.0 Monoponto	WS50 (526-N)	
Santana/ Quantum 1.8/2.0 (Motor AP) Álcool ou Gasolina	WS50 (526-N)	
Saveiro 1.6/1.8 Total Flex (Motor AP)	WS511 (NORMAL)	
Saveiro 1.6/1.8/2.0 (Motor AP) Álcool ou Gasolina	WS50 (526-N)	
Saveiro 1.6 2015	WS511	
UP TODOS >>>>	WS511-N	
Voyage 1.6 / 2015 Sensor Hall	WS511	
Voyage 1.0 3 e 4 cilindros 2016 >>>>> todos	WS511 -N	
Voyage 1.6 / 2012/2013 Sensor Hall	WS511 -N	
Volkwagem UP 2015 >>>>	WS511 -N	



Modelo	Variador de avanço	Cabo
Astra Importado 2.0	WS510 (NORMAL)	C
Astra 1.8/2.0 Gasolina ou Álcool	WS510 (NORMAL)	C
Agili 1.4	WS518 60-2	
Astra 2.0 16V GSI	WS510 (NORMAL)	C
Astra 2.0 FlexPower	WS510 (NORMAL)	C
Blazer 2.2 EFI	WS510 (NORMAL)	E
Blazer 2.2 MPFI	WS510 (NORMAL)	C
Blazer 2.4	WS510 (NORMAL)	C
Blazer 4.3 V6	WS50	
Celta 1.0/1.4 Todos/FlexPower	WS510 (NORMAL)	C
Corsa 1.0 VHC Flex Power	WS510 (NORMAL)	C
Cobalt 1.4	WS518 60-2	
Cobalt 1.8 todos	WS518 60-2	
Classic 2015	WS518 60-2	
Corsa 1.0/1.6 MPFI	WS510 (NORMAL)	C
Cruze 1.8 Itz	WS518 60-2	
Meriva 1.8 Flex Power	WS510 (NORMAL)	C
Meriva 1.8 Gasolina	WS510 (NORMAL)	C
Montana 1.4 Flex MOTOR DO AGILE	WS518 60-2	C
Montana 1.8 Flex Power	WS510 (NORMAL)	C
Monza / Kadet 1.8 / 2.0 EFI Monoponto	WS50 (526-N)	
Novo Corsa 1.0 VHC/Flex Power	WS510 (NORMAL)	C
Novo Corsa 1.8 FlexPower	WS510 (NORMAL)	C

Novo Vectra 2.0 Flex Power	WS510 (NORMAL)	C
Novo Vectra 2.4 16V Flex Power	WS510 (NORMAL)	C
Omega 2.0	WS50/WS510	
Omega 2.2	WS510 (NORMAL)	E
Omega 3.0	WS50/WS510	
Prisma 2014 >>>> todos	WS518 60-2	
Omega CD 4.1	WS510 (NORMAL)	C
S10 2.2 EFI	WS510 (NORMAL)	E
S10 2.2 MPFI	WS510 (NORMAL)	C
S10 2.4	WS510 (NORMAL)	C
S10 2.4 2011	WS510 (NORMAL)	C
S10 2.4 2012	WS518 60-2	
S10 2.5 2014>>>>	WS511 / WS518	
Sonic todos	WS518 60-2	
S10 4.3 V6	WS50	
Tracker todas	WS518 60-2	
Chevrolet Spin LT	WS518 60-2	
Vectra 2.0 16V/2.2 16V	WS510 (NORMAL)	C
Vectra 2.0 8V/2.2 8V	WS510 (NORMAL)	C
Vectra 2.0/2.0 16V GSI Importado	WS510 (NORMAL)	C
Zafira 2.0 8V Flex Power	WS510 (NORMAL)	C
Zafira 2.0 8V/16V Gasolina	WS510 (NORMAL)	C



Modelo	Variador de avanço	Cabo
Doblo Fire 1.3 16V Gasolina	WS510 (NORMAL)	F
Doblo 1.8 Flex	WS510 (NORMAL)	C
Doblo 1.8 Gasolina	WS510 (NORMAL)	C
Doblo Fire 1.4 Flex	WS510 (NORMAL)	C
Doblo 1.6 e 1.8 E.TORQ 16V 2015>>> todas	WS511 (NORMAL)	
Fiorino 1.5 IE	WS510 (NORMAL)	D
Fiorino 1.5 MPI	WS510 (NORMAL)	D
Fiorino 1050/1300 Carburador	WS50 (526-N)	
Fiorino Fire 1.3 (conector 2 vias)	WS510 (NORMAL)	F
Fiorino Fire/EVO 1.4 >>>	WS510 (NORMAL)	F
Fiorino Fire 1.3 (conector 3 vias)	WS510 (NORMAL)	C
Idea 1.8 Flex	WS510 (NORMAL)	C
Idea com motor ETORQ todos >>> 2015	WS511 (NORMAL)	
Idea Fire 1.4 Flex (conector 2 vias)	WS510 (NORMAL)	F
Línea 2011 ganha motor 1.8 16 v E.torQ	WS511 (NORMAL)	
Línea 1.4 fire	WS510 (NORMAL)	F
Línea todos com motor ETORQ 2015>>>>	WS511 (NORMAL)	
Marea/Weekend 1.6 16V Modelo novo	WS510 (NORMAL)	C
Marea/Weekend 1.8 16V	WS510 (NORMAL)	C
Marea/Weekend 2.0 20V	WS510 (NORMAL)	C
Marea/Weekend 2.4 20V	WS510 (NORMAL)	C

Marea/Weekend Turbo 2.0 20V	WS510 (NORMAL)	C
Palio/Siena Fire 1.0 8V (Conector 2 vias)	WS510 (NORMAL)	F
Palio/Siena Fire 1.0 8V / Flex	WS510 (NORMAL)	C
Palio/Siena Fire 1.3 8V / Flex	WS510 (NORMAL)	F
Palio/Weekend/Siena Fire 1.0 16V	WS510 (NORMAL)	F
Palio/Weekend/Siena Fire 1.3 16V	WS510 (NORMAL)	F
Palio/Weekend/Siena/Strada 1.0/1.5 MPI 8V	WS510 (NORMAL)	C
Palio/Weekend/Siena/Strada 1.6 16V	WS510 (NORMAL)	C
Palio/Weekend/Siena/Strada Fire 1.3 8V / Flex	WS510 (NORMAL)	F
Palio /weekend/siena/strada motor 1.8 GM ATÉ 2014	WS510 (NORMAL)	C
Palio Week/Siena/Satrada ETORQ 1.6/1.8 2015 >>>	WS511 (NORMAL)	
Palio/Weekend/Siena/Strada Fire/EVO 1.4 / Flex	WS510 (NORMAL)	F
Punto 1.6 e 1.8 ETORQ	WS511 (NORMAL)	
Stilo 1.8 16V	WS510 (NORMAL)	C
Stilo 1.8 8V / Flex	WS510 (NORMAL)	C
Stilo 2.4 20V Abarth	WS510 (NORMAL)	C
Siena Essence 1.6 16V E.torQ 2011	WS511 (NORMAL)	
Strada 1.4 fire evo 2015 >>> todos	WS510 (NORMAL)	F
Strada 1.6 e 1.8 ETORQ	WS511 (NORMAL)	
Fiat, Palio, Weekend, Adventure, Locker, 1.8, E.TorQ, Dualogic	WS511 (NORMAL)	
Uno 1.5 IE	WS510 (NORMAL)	D
Uno 1.6 IE	WS510 (NORMAL)	D
Uno 1.6 IE/1.6 MPI	WS510 (NORMAL)	C
Uno Fire 1.0 Flex	WS510 (NORMAL)	C
Uno Fire 1.0 Gasolina	WS510 (NORMAL)	C
Uno todos com motor Fire/EVO 1.0/1.4 2015>>>>>	WS510 (NORMAL)	F
Uno IE/EP/Smart 1.0	WS510 (NORMAL)	D



Modelo	Variador de avanço	Cabo
Courier 1.4 16V / 1.6 / Flex	WS510 (NORMAL)	B
EcoSport 1.6 / Flex nova 2015 >>> todas	WS510 (NORMAL)	F
EcoSport 1.6 / Flex antiga	WS510 (NORMAL)	B
EcoSport 2.0 16V 2WD/ 4WD (MOTOR DURATEC)	WS510 (NORMAL)	F
Escort 1.6 / 1.8 Monoponto	WS50 (526-N)	
Escort 1.6 Rocan	WS510 (NORMAL)	B
Escort Zetec 1.8 16V	WS510 (NORMAL)	B
Explorer V6 / V8	WS510 (NORMAL)	F
F-250 4.2 V6	WS510 (NORMAL)	F
Fiesta 1.0 Supercharger	WS510 (NORMAL)	B
Fiesta/Sedan (MOTOR ZETEC) 1.0 / 1.6 / Flex	WS510 (NORMAL)	B
Focus Hatch/Sedan 2.0 16V (MOTOR DURATEC)	WS510 (NORMAL)	F
Focus Hatch/Sedan 1.6 / Flex	WS510 (NORMAL)	B
Ford Fusion 2.5 16V SEL 2012>>>>>	WS510 (NORMAL)	F
FORD FOCUS 2.0 16V 2009>>>>	WS510 (NORMAL)	F
Ford Focus com motor Sigma 2013	WS510 (NORMAL)	B
Ka (MOTOR ZETEC) 1.0 / 1.6 / Flex	WS510 (NORMAL)	B
Mondeo 2.0 16V (MOTOR DURATEC)	WS510 (NORMAL)	F

Mondeo 2.0 16V (MOTOR ZETEC)	WS510 (NORMAL)	B
Novo Fiesta/Sedan 1.0 / 1.6 / Flex	WS510 (NORMAL)	B
Novo KA Hatch/ Sedan 1.0 3 e 4 cilindros 2015 >>> todos	WS510 (NORMAL)	F
Novo Fiesta/Sedan 1.0 Supercharger	WS510 (NORMAL)	B
Ranger 2.3 16V / 2.5 8V	WS510 (NORMAL)	F
Ranger 2.5 16V 2015 >>>>	WS516	
Versailles / Royale 1.8 / 2.0 Monoponto	WS50	
Versailles / Royale 2.0 Multiponto	WS50	



**PEUGEOT**

Modelo	Variador de avanço	Cabo
206 1.0 16V	WS510 (NORMAL)	G
206 1.4 / Flex	WS510 (NORMAL)	A
207 1.4 / Flex	WS510 (NORMAL)	A
208 1.6 /Flex	WS510 (NORMAL)	A
206 1.6 16v / FLEX	WS510 (NORMAL)	A
306 / 306 SW 1.8 16V	WS510 (NORMAL)	G
307 / 307 SW 1.6 16V	WS510 (NORMAL)	A
308 1.6 E 2.0 16V TODOS	WS510 (NORMAL)	A/F
406 Sedan / SW 2.0 16V	WS510 (NORMAL)	A
408 2.0 16V >>>>	WS510 (NORMAL)	A
Partner 1.6 16V	WS510 (NORMAL)	F
Partner 1.8 8V até 2000	WS510 (NORMAL)	A/C



**RENAULT**

Modelo	Variador de avanço	Cabo
Clio 1.0 8V TODOS	WS510 - 8	F
Clio 1.6 16v / HIFLEX	WS510 - 8	F
Clio 1.6 8V	WS510 - 8	G
Duster todos	WS510 N	F
Fluence todos	WS511	
Kangoo 1.0 16V	WS510 - 8	G
Kangoo 1.0 8V	WS510 - 8	G
Kangoo 1.6 16V (MOTOR K4M)	WS510 - 8	G
Kangoo 1.6 8V (MOTOR K7M)	WS510 - 8	G
Logan 1.6 8v e 1.0 16v todos	WS510 - 8	F
Megane/ GRANTOUR 1.6/2.0 16V TODOS	WS510 - 8	F
Sandero todos>>>>	WS510	F
Scenic 1.6 16v / HIFLEX	WS510 - 8	G
SIMBOL 1.6 16V	WS510 - 8	F
Scenic 1.6 8V	WS510 - 8	G
Scenic 2.0 16v	WS510 - 8	G

Scenic 2.0 8V	WS510 - 8	G
Renault Duster 1.6	WS510 - 8	F
Trafic 2.2 Carburada	WS50	
Trafic 2.2 Injeção	WS510 (NORMAL)	G



Modelo	Variador de avanço	Cabo
C3 1.4 8V / Flex>>>	WS510 (NORMAL)	A
C3 1.6 16V / Flex>>>>	WS510 (NORMAL)	A
C4 1.6 16V / 2.0 HATHC E PALLAS Flex>>>>	WS510 (NORMAL)	A/F
C5 2.0 16V (136 CV)	WS510 (NORMAL)	A
Picasso 1.6 16V>>>>	WS510 (NORMAL)	A
Picasso 2.0 16V (118 CV)>>>	WS510 (NORMAL)	A
Picasso 2.0 16V (138 CV)>>>>	WS510 (NORMAL)	A
Xsara 1.8 8V	WS510 (NORMAL)	C
Xsara 2.0 16V ano 2000	WS510 (NORMAL)	C
ZX 2.0 ano 95	WS50	
Citroën Aircross >>>>>	WS510 (NORMAL)	A



Modelo	Variador de avanço	Cabo
BMW 325i 6 cilindros	WS510 (NORMAL)	C



Modelo	Variador de avanço	Cabo
A3 1.6 (MOTOR SR)	WS510 (NORMAL)	F
A3 1.6 (mesma bobina do Golf 2003)	WS511	
A3 1.8 / 1.8 Turbo	WS510 (NORMAL)	F



Mercedes-Benz

Modelo	Variador de avanço	Cabo
Classe A 160	WS510 (NORMAL)	F





Modelo	Variador de avanço	Cabo
Cherokee Sport 6 cilindros em linha	WS50	
Cherokee 5.2 / 5.9 V8 (distribuidor e bobina)	WS50	



Modelo	Variador de avanço	Cabo
Dakota 2.5 (até 98)	WS50	
Dakota 3.9 V6	WS50	
Dakota V8	WS50	
Dodge Ram V8	WS50	



Modelo	Variador de avanço	Cabo
Corolla 1.6 / 1.8 VVTI/2.0>>>>	WS510 (NORMAL)	F
Corolla Nacional até 2002>>>	WS510 (NORMAL)	
Etios todos	WS510 (NORMAL)	F
Rav 4 VVTI	WS510 (NORMAL)	F
Toyota Hilux 2010	WS510 (NORMAL)	F
Toyota Hilux 2012	WS510 (NORMAL)	F



Modelo	Variador de avanço	Cabo
Civic 98 / 99 / 00	WS50	
Civic 1.7 à partir de 2001 (4 bobinas)	WS511	
Civic ano 93	WS50	
Civic ano 97	WS50	
CRV 2.0 ATÉ 2010	WS518 - N	
New Civic ATÉ 2010	WS518 - N	



Modelo	Variador de avanço	Cabo
Colt	WS50	
Galant 4 cil 16V ( 2 bobinas ) ano 95	WS511	
Gallant 4cil 16V ( 1 bobina interna) 94/95	WS50	
Lancer 4 cil 16V ( 2 bobinas )		
Pajero (bobina com 2 vias)	WS50	
Pajero TR4 FLEX	WS511	



Modelo	Variador de avanço	Cabo
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Modelo	Variador de avanço	Cabo
Clarus 1.8 / 2.0 16V	WS510 (NORMAL)	C
Clarus 1.8 / 2.0 16V	WS50	
sephia 95	WS50	
sephia acima de 98	WS510 (NORMAL)	C
Shuma	WS510 (NORMAL)	C
Sportage	WS510 (NORMAL)	C
Sportage 2.0	WS510 (NORMAL)	C
Towner até 99 Carburador	WS50	
TOPIC 2012	WS510 (NORMAL)	E
Towner 1.0 2012	WS510 (NORMAL)	



**HYUNDAI**

Modelo	Variador de avanço	Cabo
Tucson GLS 2.0 16V	WS511	
i 30 hyundai 2.0 16v	WS511	
HB20 1.0 E 1.6	WS510	F



**KIA MOTORS**

Modelo	Variador de avanço	Cabo
Kia Cerato 2010	WS510 (NORMAL)	F
SPORTAGE SESOR 3 FIOS	WS511	N
SPORTAGE SESOR 2 FIOS	WS510	N





Modelo	Variador de avanço	Cabo
Nissan LIVINA 1.8 2009	WS511	
Nissan TIDA 1.8	WS511	
Nissan VERSA 1.6	WS511	



Modelo	Variador de avanço	Cabo
JAC J 6	WS510 (NORMAL)	E
JAC J 5	WS511 (NORMAL)	
JAC J 3	WS511 (NORMAL)	



Pino 3 do conector CKP com a ECU ACDelco Ñ funciona com este programa

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OBS:Tomada da esquerda da ECU cor Branca cor dos fios do sensor Vermelho,Preto,Branco. Fio vermel

fio amarelo/marron ligar o fio azul // fio verde marron ligar o preto.

Sensor fica embaixo do coletor, fazer a ligação no chicote que passa ao lado dos injetores de gasolina c

Ranger 2.3 16v, Pinos da central do carro 46,47 conector 1 cor do conector amarelo cor dos fios amarelo/



No chicote da sonda lambda passa um fio azul com listra branca ele é o do sensor de rotação (CKP)



A tomada do sensor fica presa no coletor enfrente a o radiador cor dos fios do sensor marrom e branco







Iho sinal local que deve ligar o sensor Pino 7.

ores dos fios do sensor branco/vermelho,marrom vermelho

marron ligar fio azul, Verde / marron ligar fio preto lado do sensor,